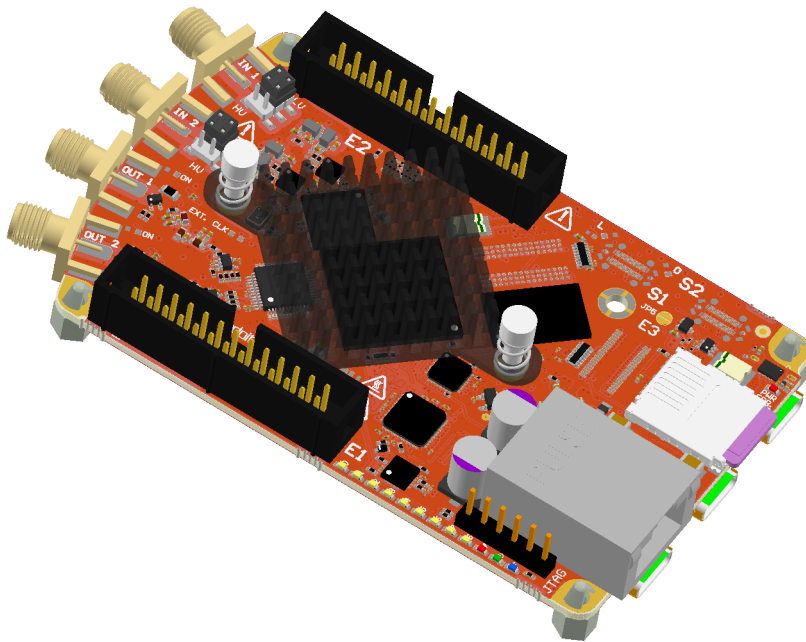




Red Pitaya d.o.o.
Velika pot 22
5250 Solkan
Slovenia



Electrical schematics & Assembly Drawings for:

Name: **STEMlab 125-14 Gen. 2**

Version: **V2r0**

Assembly variant: **Gen 2**

Release Date: **10.10.2025**



Disclaimer

STEMlab 125-14 Gen 2 Assembly variant: Gen 2

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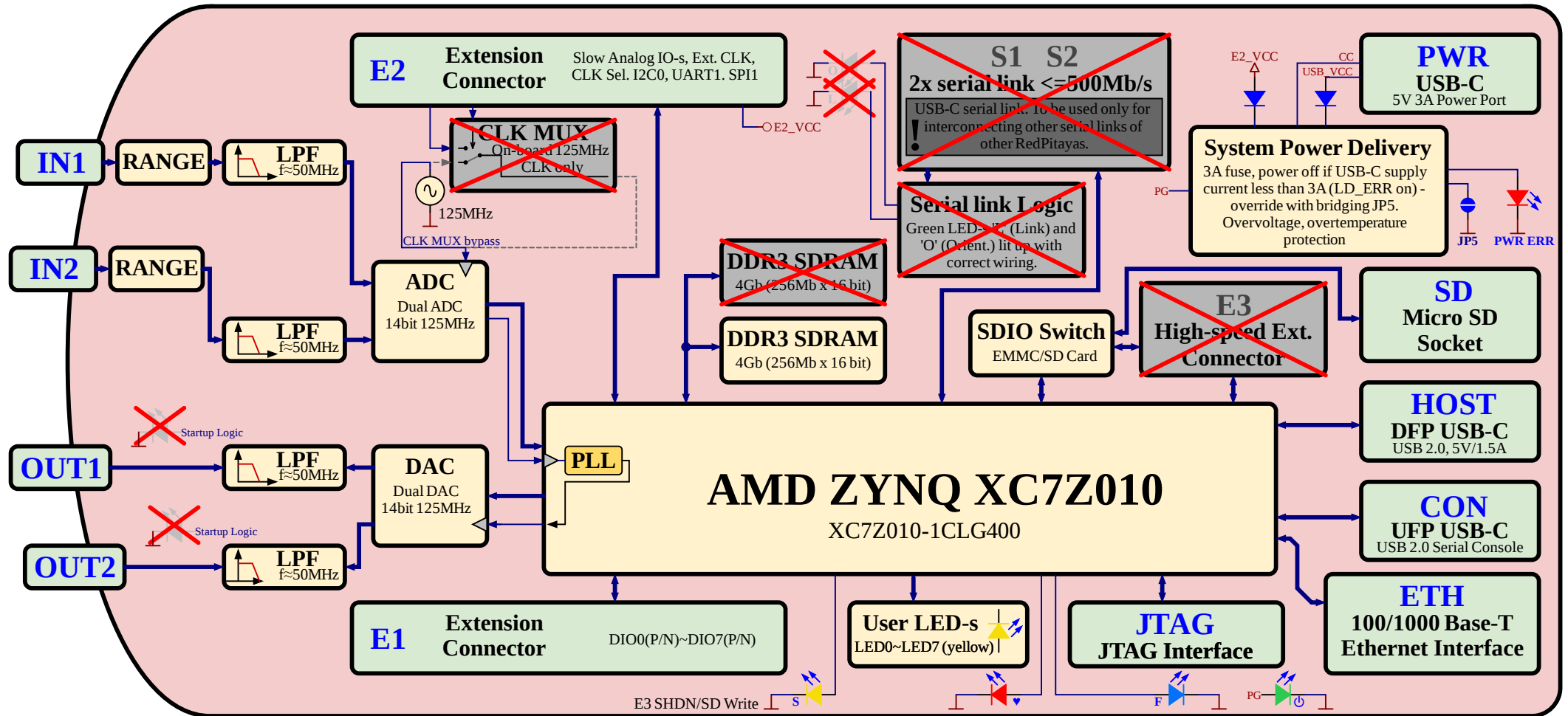
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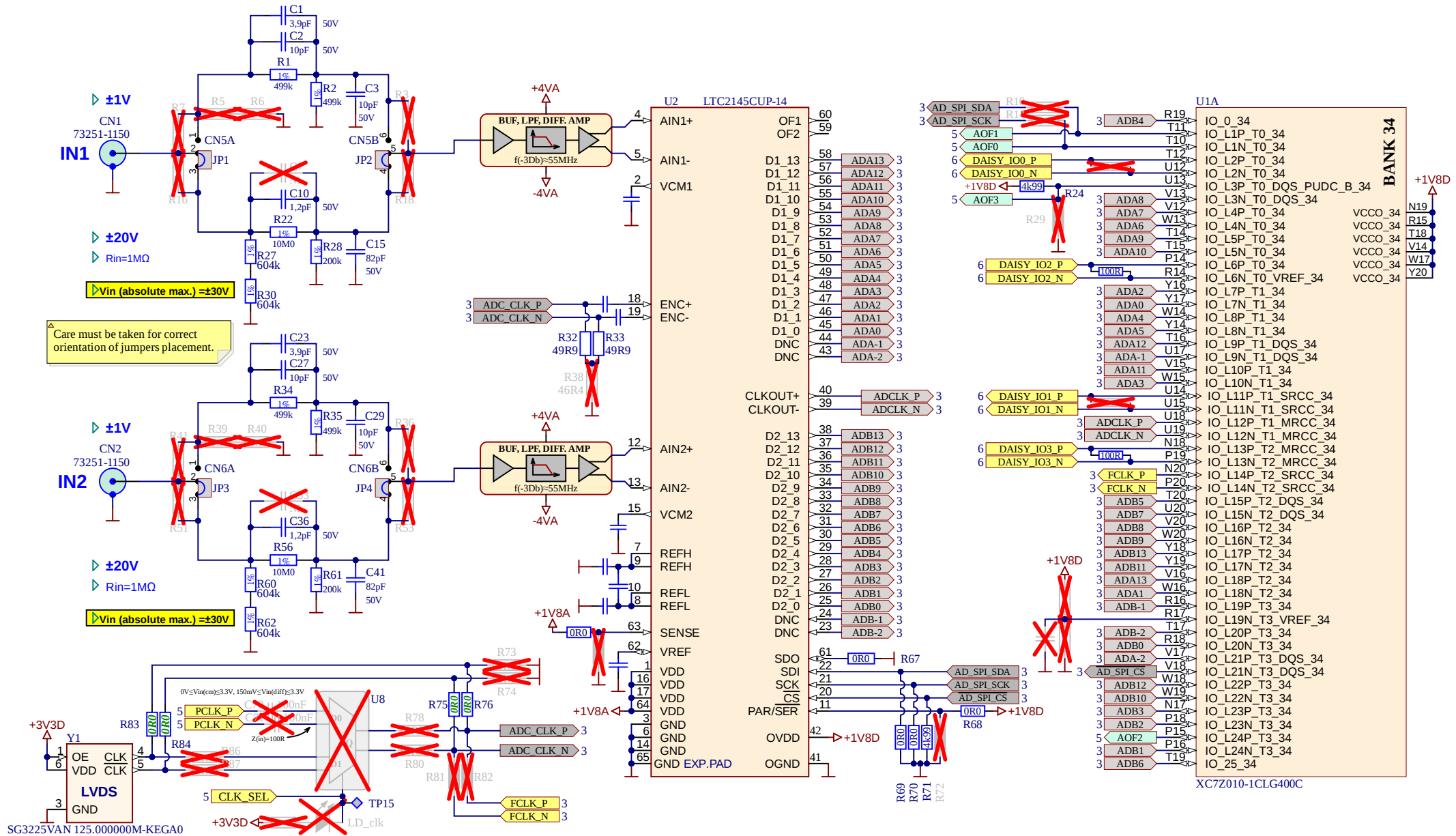
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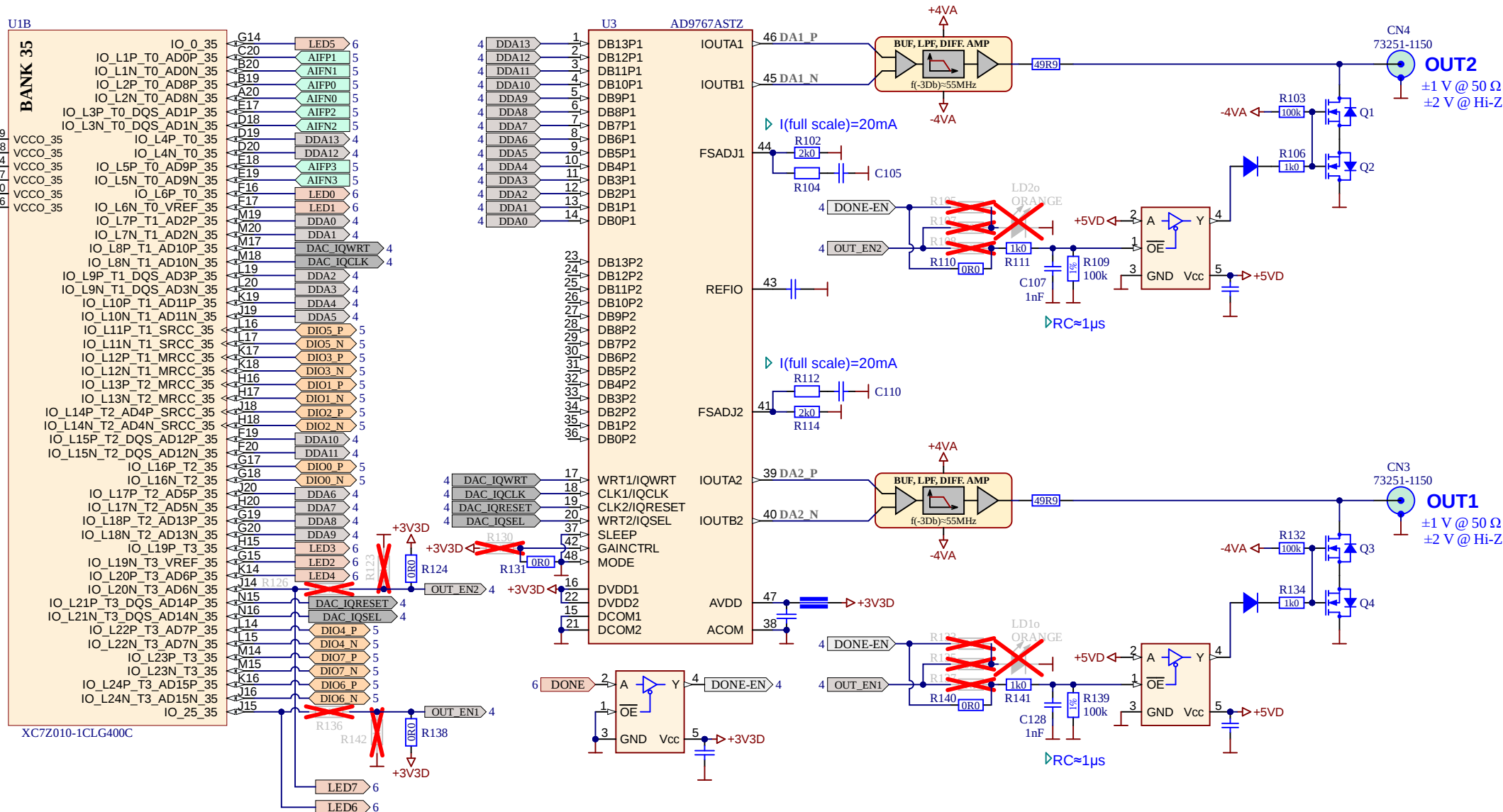
Block Diagram





Fast Analog Inputs & ADC Interface



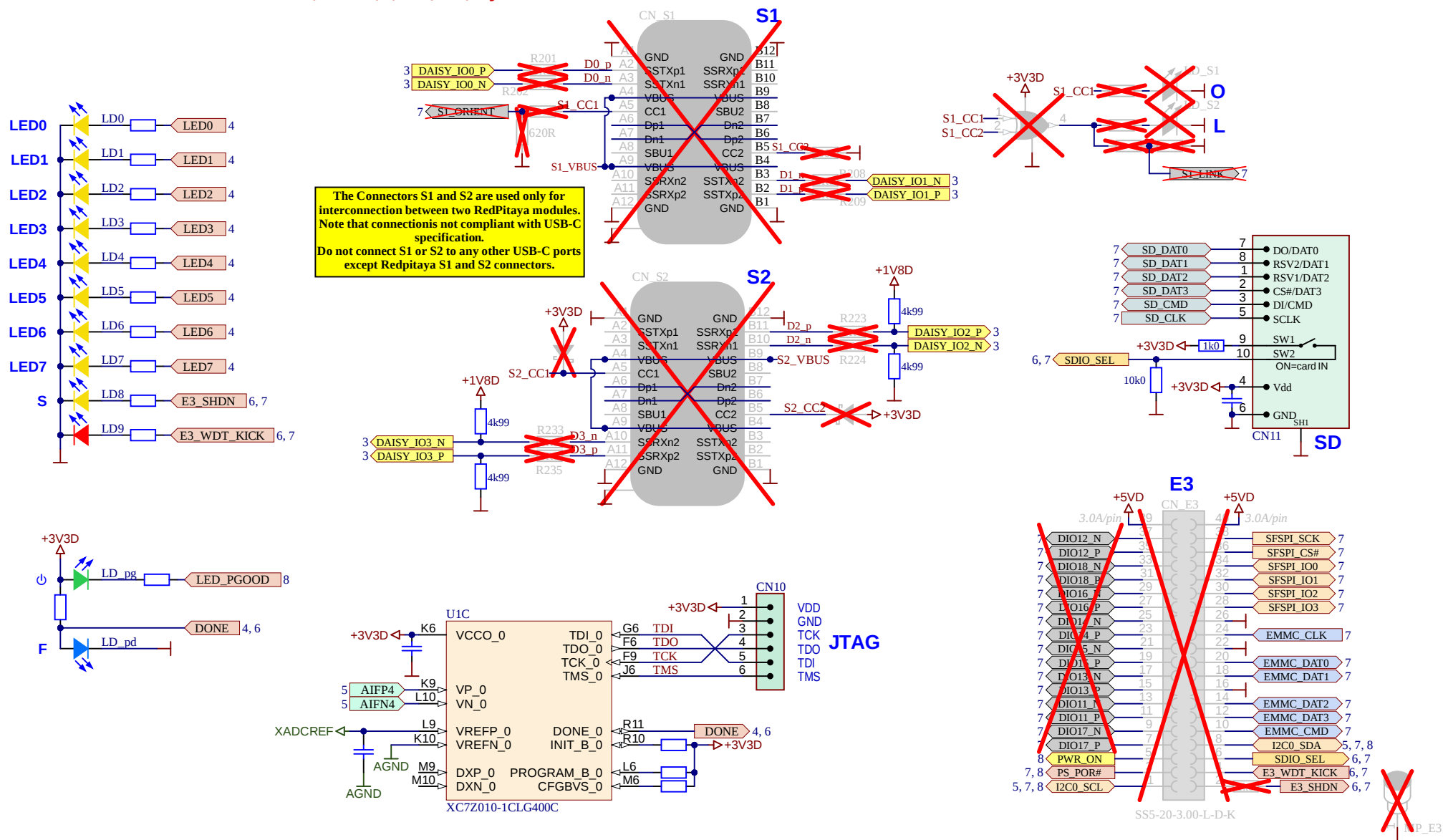






STEMlab 125-14 Gen 2 Assembly variant: Gen 2

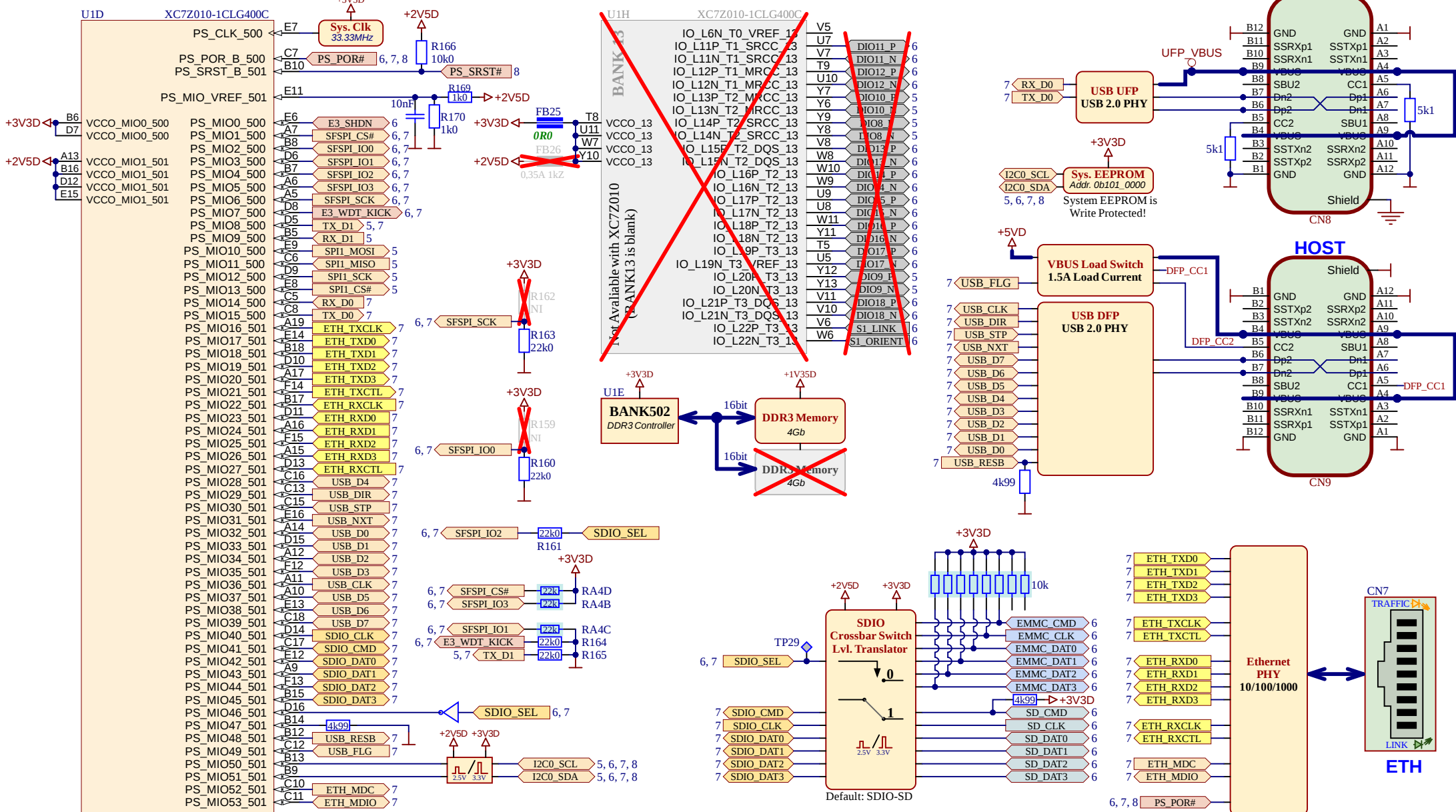
LED-s, JTAG, I, SD, E3, Synchronization

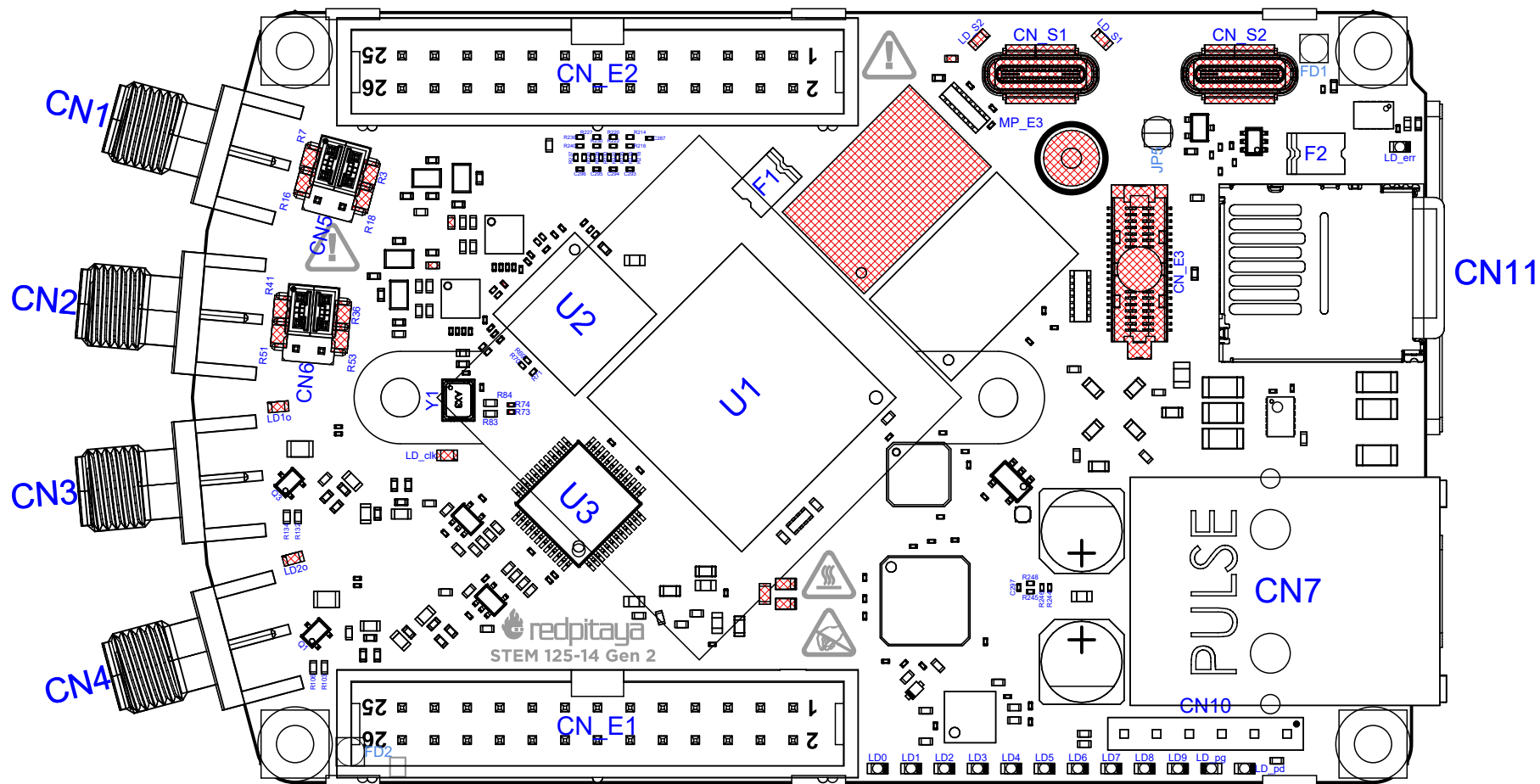




STEMlab 125-14 Gen 2 Assembly variant: Gen 2

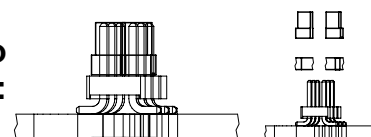
PS-Interface, ETH, Console, Host



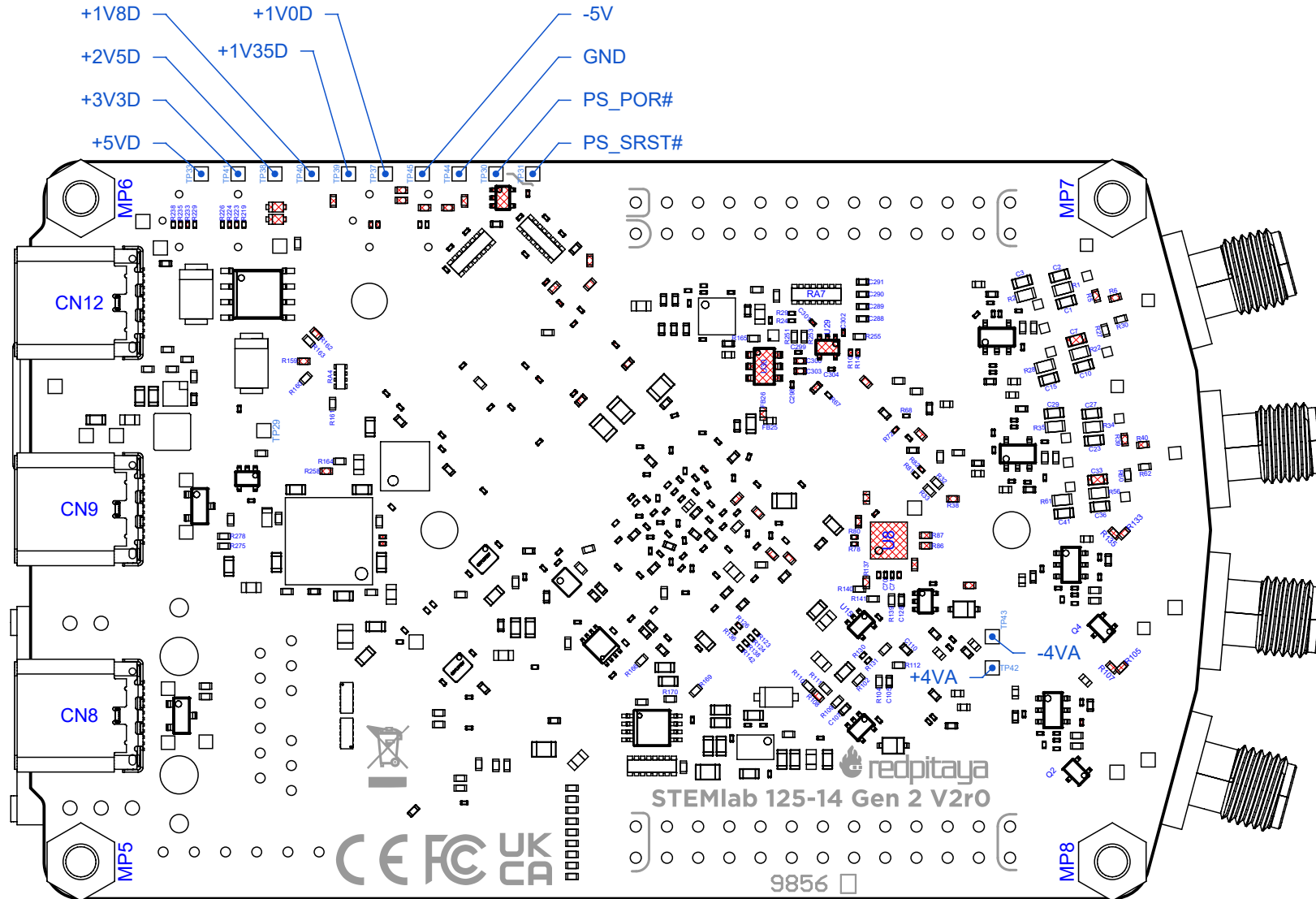


View from Top side (Scale 2:1)

Follow the specified jumper orientation to improve step-response of input channel:

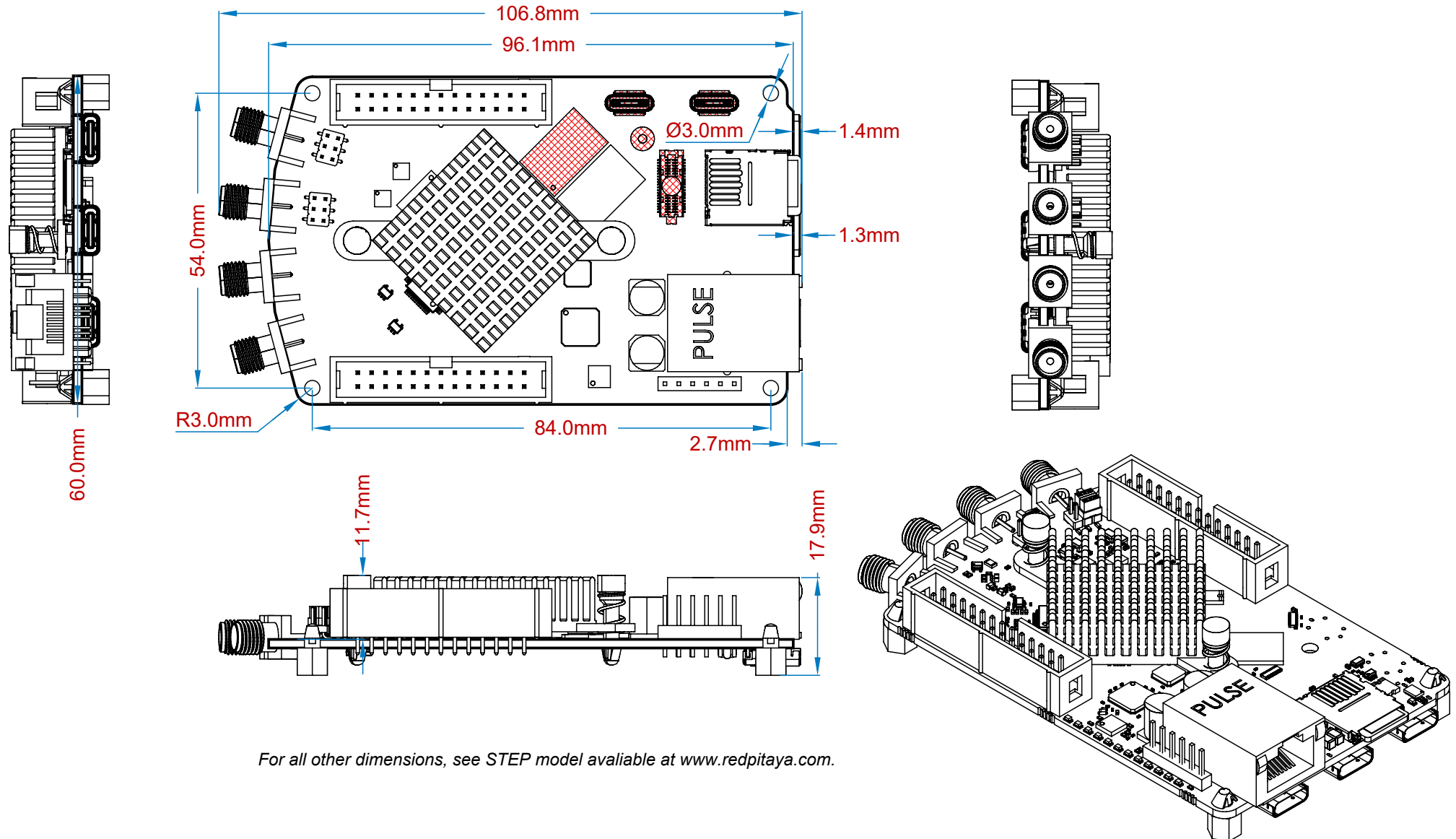


Assembly & 3D Drawings



View from Bottom side (Scale 2:1)

Assembly & 3D Drawings



For all other dimensions, see STEP model available at www.redpitaya.com.